**SET A**

1. Write a program that uses a “for” loop to compute and prints the sum of a given numbers of squares.

2. Write a program which will read a line and delete from it all occurrences of the word “that”.

3. Define a pointer. Write a function that is passed an array of n pointers to the maximum of the n floats.

4. Given a text file, create another text file deleting the following words “three”, “bad” and “time”.

5. Why do you require graphical function? Explain the basic graphical function with suitable program.

6. Define a structure of employee having data members name, address, age and salary. Take data for n employee in an array dynamically and find the average salary.

7. Write a program to enter two 3 x 3 matrices and calculate the product of given matrices.

8. Explain the use of two dimensional arrays. Illustrate it with suitable program and explain it.

9. Why structure is required? Make a program using structure of booklist having data members title, author and cost. Enter four data and calculate total cost.

10. Why pointer is called jewel of C language? Write a program that uses pointers to copy an array of integer.

**SET B**

1. Explain the importance of pointer. Write a function that is passed an array of n pointer to floats and returns a newly created array that contains those n float values.

2. Some text file is given, create another text file replacing the following words “Ram” to “Hari”, “Sita” to “Gita”, and “Govinda” to “Shiva”.

3. What are the uses of graphical function? Explain the basic graphical function with suitable program.

4. Define a structure of student having data members name, address, marks in C languages and marks in information system. Take data for n students in an array dynamically and find the total marks obtained.

5. Write a program to accept numbers and sort them with using pointer.

6. Explain switch statement with example. In your example your cases should call a function which does anything.

7. Write a program to find the factorial of a given integer. Note use function and make use of it by passing a value.

8. Write a program to accept any number and print the sum of the number up to a single digit through recursive function.

9. How is malloc() function different from calloc() function? Write a program to read number of employees,n, working in a company. Reserve the memory required to store age of n employees using malloc() function. Read age of n employees from user and count the number of employees of age above 80 years.

10. Write a program to read name and district of N students from keyboard using structure variable and display only those students whose address is 'Kathmandu' district. (Hint: strcmp())